

1. BOSC 2017 Nominations

Self Nomination:

Yes

Nominator Information

First Name

Last Name

Nominator Title

Street Address

City

State

Postal Code

Email Address

Phone Number

Mobile Phone

Nominee Information

First Name

Murray

Last Name

Cohen

Nominee Title

Founder, Chairman Emeritus, Director

Street Address

3000 South Hulen Street, Suite 124-191

City

Fort Worth

State

Texas

Postal Code

76109

Email Address

mcohen@frontlinefoundation.org

Phone Number

678-781-5241

Mobile Phone

817-909-4700

Employment Information

Place of Employment/Work:

Frontline Healthcare Workers Safety Foundation, Ltd

Work Street Address

3000 South Hulen Street, Suite 124-191

Work City

Fort Worth

Work State:

Texas

Work Postal Code

76109

Work Phone Number

678-781-5241

Work Email Address

mcohen@frontlinefoundation.org

Sector

Other - Write In (Required): NGO

Qualifications**Primary Area(s) of Expertise**

biosafety, biosecurity, and biosurety
risk assessment
decision sciences/uncertainty quantification/modelling
exposure monitoring of wide area release of a bio agent (intentional or accidental)
consequence management training and evaluation
community engagement

Committee Preference(s)

Homeland Security Subcommittee

Statement of Interest

I am Murray L. Cohen, PhD, MPH, CIH, a retired Public Health Service Officer (CO-6) having served 21 years with the CDC as a Certified Industrial Hygienist specializing in workplace infections, and as an infectious disease epidemiologist.

I am seeking the privilege of continuing to serve our nation's public health interests as a member of the EPA Board of Scientific Advisors. I hold TS/SCI security clearances with the Office of the Director of National Intelligence. I worked extensively with the EPA in the 1970's on implementation of the TOSCA, in the 1980's on Superfund implementation, and as a private sector scientist/consultant during the Amerithrax response and cleanup crisis. I have always been impressed with the level of professionalism and consistent high quality of EPA's conduct of science, even though often under intense criticism from the public, media, and political sectors.

Skills/qualifications related to committee preference(s) specified

As a charter voting member of the NSABB (National Science Advisory Board for Biosecurity) serving from 2005-2012, I worked on the subgroups that developed and published the Criteria Document for Dual Use Research of Concern, DURC Implementation Tools, and International Engagement.

During response to the Amerithrax terrorism, I served on EPA's Federal Interagency Expert Panel for Anthrax Spore Efficacy Test Methods and Surrogates (2003-2012); and working at the NIH in 2010 I was Awarded U.S. Patent #7,776,292 for Method and Apparatus for Bioweapon Decontamination (Anthrax).

I performed design review and/or the NEPA-compliant risk assessments for the NIH-sponsored National Biodefense Laboratories in Hamilton, MT, Galveston, TX, Bethesda, MD and Frederick, MD; and for the regional biodefense laboratories at Duke University, Tufts University, the University of Alabama at

Birmingham, the University of Missouri, Kansas State University, U.C. Irvine, and Colorado State University. I also conducted the public information meetings on NEPA study results for the NIH biodefense laboratories in Hamilton, Bethesda, and Frederick.

Working with the White House Office of Homeland Security and the Dept of the Army, I founded and conducted the fully accredited private-public partnership Homeland Security Summit and Consequence Management Exercises in Atlanta and Augusta, GA in 2002 and 2003.

Other Relevant Information

My career experiences in government research and management, private sector research and training, and international public health will serve the EPA BoSC well. I have a breadth of experiences, including biodefense research, HIV/AIDS and emerging infectious diseases research, and emergency preparedness and response training and evaluation. Coupled with establishing a successful private sector consulting practice and a global NGO, I bring unique perspectives to accomplish the mission requirements of the EPA Office of Research and Development.

The attached curriculum vitae and selected bibliography demonstrate my visionary leadership at all levels, and branches, of government. It will be a privilege to apply my energy, experience, and talents toward advancing EPA's Homeland Security missions.

CV/Resume URL

2. CV/Resume

Please upload your CV/ Resume.

[MC_cv-Biblio_2017-July.docx](#)

3.

BOSC Nomination

Jun 30, 2017 14:42:55 Success: Email Sent to: tracy.tom@epa.gov

4. Thank You for your Submission!

MURRAY L. COHEN, PhD, MPH, CIH

Exemption 6

MCOHEN@CDICINC.COM

Exemption 6

INTERNATIONALLY RECOGNIZED EXPERT IN BIOSECURITY AND LABORATORY/HOSPITAL BIOSAFETY

- Specialization in Emerging Infections, Bioterrorism, Risk Assessment, and Biocontainment
- Expert in Infectious Disease Control, Biosecurity and Biosafety, Epidemiology, Industrial Hygiene, Occupationally Transmitted Diseases, and Hospital Safety
- Extensive working knowledge of OSHA, CDC, FDA, EPA regulations, and WHO guidelines
- Significant Experience with Federal Agencies, Labor, Industry and Community Groups
- Engaging & Persuasive Public Speaker

EDUCATION

- PhD, Occupational and Environmental Health Sciences, University of Illinois Medical Center, Chicago 1982
- MPH, Community Health Sciences, University of Texas, School of Public Health, Houston 1975
- B.A. with Honors, Microbiology, University of Texas, Austin 1974

PROFESSIONAL EXPERIENCE

- Owner Consultants in Disease and Injury Control (a veteran owned small business) 1996-present
- Director, Frontline Healthcare Workers Safety Foundation, Ltd. (a global NGO) 1998-present
- Chairman Emeritus and Founder, Frontline Healthcare Workers Safety Foundation, Ltd. 1998-2014
- NIH National Biosafety & Biosecurity Training Program (NBBTP), Executive Director (Contractor) 2004-2011
- NIH Biosurety Contractor 2009-2011
- NIH Consultant in Disease and Injury Control, National Institutes of Health 2003-2011
- World Health Organization (WHO), Biosecurity Expert Consultant, Geneva, Switzerland 2003-2008
- Chairman and Co-founder, Homeland Security Summit (fully accredited mass casualty training) 2002-2004
- Centers for Disease Control and Prevention (CDC)/NCID, Medical Device Evaluations Laboratory Chief, Atlanta 1989-1996
- CDC/ NIOSH, Senior Scientist-Workplace HIV/AIDS, Atlanta 1988-1989
- CDC/NIOSH, Acting Director, Division of Safety Research (DSR), Morgantown, WV 1987-1988
- CDC/NIOSH, Deputy Director, Division of Safety Research (DSR), Morgantown, WV 1984-1987
- CDC/NIOSH, DSR, Acting Chief, Accident & Injury Epidemiology Branch, Morgantown 1983-1984
- CDC/NIOSH, DSR, Chief, Safety Standards and Consultation Branch, Morgantown 1980-1984
- USPHS Graduate Trainee, University of Illinois at Chicago 1978-1980
- CDC/NIOSH, Project Administrator, Division of Criteria and Standards Development, Rockville, MD 1975-1978
- Research Assistant, Southwest Center of Urban Research, Houston 1975-1975

PROFESSIONAL CERTIFICATION

Industrial Hygiene, Comprehensive Practice, Certificate #4815
American Academy of Industrial Hygiene, Diplomate

SPECIAL CAREER ASSIGNMENTS

- Georgia Tech Research Institute, Adjunct Principal Research Scientist, Atlanta 1996-2002
- CDC/NIOSH, Acting Assistant Director for Science, Atlanta May 1987 – August 1987
- Co-Director, U.S. Agency for International Development (USAID), Special Project on Rural Industrialization, Bangkok, Thailand May-October 1985
- CDC, Equal Employment Opportunity (EEO) Investigator, Atlanta 1976 -- 1978

ACCOMPLISHMENTS, HONORS AND AWARDS

- Board of Directors, West African-American Chamber of Commerce and Industry 2015-2016
- Everett Hanel, Jr. Award for Biosafety Career Achievement, American Biosafety Association 2012
- (NSABB) National Science Advisory Board for Biosecurity, Inaugural Voting Member 2005-2012
- Federal Interagency Expert Panel for Anthrax Spore Efficacy Test Methods and Surrogates 2003-2012
- Awarded U.S. Patent #7,776,292 for Method and Apparatus for Bioweapon Decontamination (Anthrax) 2010
- Board of Directors, International Association for Continuing Education & Training (IACET) 2007-2012
- Treasurer, International Association for Continuing Education & Training (IACET) 2010-2012
- Chair, Special Session on Modeling Nearly Impossible Hazards, 13th International Conference on Fuzzy Theory and Technology, IEEE 2008
- American Industrial Hygiene Conference, Outstanding Session Arranger 1991 & 1992
- USPHS, Unit Commendation for HIV/AIDS in the workplace 1990
- U.S. Senate Confirmation, Appointment to Regular Corps/USPHS 1989
- USPHS, Citation 1989
- USPHS, Commendation Medal 1988
- USPHS, Meritorious Service Medal 1986
- USPHS, Foreign Duty Service Award 1986
- USPHS, Exceptional Capability Promotion 1986
- USPHS, Unit Commendation 1985
- USPHS, Commendation Medal 1984
- Public Health Honorary Society Election, Delta Omega 1982
- Secretary's Certificate of Appreciation, US Dept of Health, Education, and Welfare 1976

PROFESSIONAL SOCIETY CURRENT MEMBERSHIPS

- African Biological Safety Association
- American Association for the Advancement of Science
- American Biological Safety Association
- American Industrial Hygiene Association
- American Society of Microbiology
- AnBio (Brazil Biosafety Association)
- Asia-Pacific Biological Safety Association, Founding Member
- International Federation of Biosafety Associations

BIBLIOGRAPHY

Refereed Articles and Abstracts

Andrew Duong, Murray Cohen, Dr. Jason Davies, Dr. Michael Ackerman, Rapid Temperature Screening for Workplace Health, Infection Control.tips, June 12, 2017

Khan, E., Ahmed, N., Tamsamani K. R., El-Gendy, A., Cohen, M.L., Hassan, A., Gastfriend, H. Biosafety Initiatives in BMENA region: Identification of Gaps And Advances. *Frontiers in Public Health*, February 2016.

Breedlove, B., and Cohen, M.L. "After the Resistance: The Alamo Today." *Emerging Infectious Diseases*. Vol. 20, No.7, July 2014.

Bian L., Cohen, M.L., et al. "Modeling Individual Vulnerability for Communicable Diseases." *Geographies of Health/Annals of the Association of American Geographers*, September 2012.

Whalen T., and Cohen, M.L. "Microbial Risk Assessment by Extrapolating Dose-Response Curves: Lessons from Anthrax." International Conference Emerging Infectious Diseases (poster presentation), March 2012.

Berns K., Cohen, M.L. et al. "Adaptations of Avian Flu Virus Are a Cause for Concern," *Science*, Jan 12, 2012.

M. L. Cohen. "The Proper Balance of Science, Safety and Security . . . It's Only Achievable Through Sustainable, Competency-Based Training That is Consistent Around the World." Virtual Biosecurity Center (2011): n. pag. Web. June 14, 2011. <http://virtualbiosecuritycenter.org/blog/op-ed-the-proper-balance-of-science-safety-and-security-it's-only-achievable-through-sustainable-competency>

M. L. Cohen. "Issues in Microbial Risk Assessment." Proceedings 11th Joint Conference on Information Science, IEEE, 2008.

Taylor, T.H. Jr., Whalen, T., Cohen, M. L. "Application of Sensitivity Analysis, 'Worst Case' and Maximum Possible Risk (MPR) to Adventitious Events." Proceedings, Joint Conference on Information Sciences, IEEE, 2008.

Bian L., Whalen, T., Cohen, M., Huang, Y., Lee G., Mao, El Lim, L., Yang, Y. "Explicit Spatial-Temporal Simulation of a Rare Disease." Proceedings, Joint Conference on Information Sciences, IEEE, 2008.

Schutz, M., Cohen, M. L., Whalen, T., Taylor, T., Strasser, M. "Maximum Possible Risk Modeling," Proceedings, Joint Conference on Information Sciences, IEEE 2008.

Whalen, T., Taylor, T., and Cohen, M.L. "Possibilistic Risk and Counterfactual Probabilities." Proceedings, Joint Conference on Information Sciences, IEEE, 2008.

M. L. Cohen, T.H. Taylor Jr., T. Whalen. "Microbial Risk Assessment in a World of Evolving Public Health Needs." Proceedings, Joint Conference on Information Sciences, IEEE, 2008.

Cohen, M.L. and Whalen T. "Implications of Low Level Human Exposure to Respirable *B.anthraxis*." Applied Biosafety, Vol.12, No. 2, pp. 109-115, 2007.

Cohen, M.L., Harwood, S, and Summers, T.A. "Frontline Healthcare Workers--Report of the National Conference on Prevention of Device-Mediated Bloodborne Infections," American Public Health Association, Washington, November 1992.

Cohen, M.L. "Industrial Hygiene Applications for Hospital Infection Control," American Public Health Association, Atlanta, GA, November 1991.

Cohen, M.L. "The Role for Industrial Hygiene in the Control of Infectious Agents in the Health Care Workplace," American Industrial Hygiene Conference, Salt Lake City, May 1991.

Cohen, M.L. "The Future in Safety Research," American Society of Safety Engineers, Las Vegas, June 1988.

Book Chapters

Barden, L.S., Miller, J.M., Cohen, M.L., and Barden, R.S. Sustaining a Culture of Biosafety. In Richmond, J.Y. and Jackman, J. (eds) *Anthology of Biosafety, XIV. Sustainability*, ABSA Press, 2015.

World Health Organization (WHO) *Laboratory Biosafety Manual-Third Edition*, 2004.

Cohen, M.L. Introduction in West KH *Infectious Disease Handbook for Emergency Care Personnel, 2nd Ed.* ACGIH, Cincinnati, 1994.

Cohen, M.L., Moll, M.B., Maley, P.W. and Linn, H.I. Statistical Description of Agricultural Injuries in the United States. In Dosman, JA and Cockcroft, DW (eds) *Principles of Health and Safety in Agriculture*, CRC Press, 1989.

Young, R.J. and Cohen, M.L. Toward Building a Safe and Healthful Coal Gasification Industry. *Proceedings of the Fifth National Conference on Energy and the Environment*, Chapter 13.4. American Institute of Chemical Engineers, Dayton, OH, 1978.

Cohen, M.L. Protecting Worker Safety and Health in Coal Conversion. *Proceedings: Third Symposium on Environmental Aspects of Fuel Conversion Technology*, Hollywood, FL, September 13, 1977, EPA Publication No. 600/7-78-063, April 1978.

Cohen, M.L. Occupational Health Costs versus Benefits in Coal Conversion. *Proceedings: Eighth Conference on Environmental Toxicology*, Dayton, OH, October 4, 1977, Defense Documentation Center No. AMRL-TR 77-97, December 1977.

Cohen, M.L. The Texas Case, in Mushkin SJ (Ed.) *Academe and State Legislative Policies for Health*. pp.168-198. Public Services Laboratory, Georgetown University, Washington, D.C., December 1976.

POSTERS

T.M. Johnson, E. Capezuti, T. Whalen, A.E. Vandenberg, T. Taylor, M.L. Cohen. "Predicting Resident Bed Exits in Long-Term Care." Annual Scientific Meeting of the American Geriatrics Society. Long Beach. 2016

SELECTED EDITORIAL BOARDS, REVIEWS

<i>American Industrial Hygiene Association Journal</i> – Reviewer	1992
<i>Journal of Applied Occupational and Environmental Hygiene</i> – Reviewer	1990
Co-Editor (Proceedings) and Organizer, International Symposium on Safety And Health in Agriculture, Saskatchewan, CANADA	1985

Journal Letters

Cohen, M.L. Occupational Infectious Diseases--A Call to Action, *Occupational Hazards*, February 1993.

Cohen, M.L. Engineering Controls for Healthcare Worker Safety, *JANAC*, Vol.3, No.2, April-June 1992.

Government Publications

Cohen, M.L., Limpaseni, W., Roos, K.S., Sujarittanonta, S., and Wongphanich, M. Health Consequences of Industrialization and Urban Development in Thailand. U.S. Agency for International Development, Bangkok, Thailand, September 1985.

Cohen, M.L., Newman, J.W., and Hutchison, M.K. *Occupational Health in Health Service Areas: Handbook for Planning*. National Institute for Occupational Safety and Health, DHEW (NIOSH) Publication No. 78-203, Cincinnati, OH, September 1978.

Criteria for a Recommended Standard for Occupational Exposures in Coal Gasification Plants. National Institute for Occupational Safety and Health, DHEW (NIOSH) Publication No. 78-191, Rockville, MD, September 1978.

Recommended Health and Safety Guidelines for Coal Gasification Pilot Plants. National Institute for Occupational Safety and Health, DHEW (NIOSH) Publication No. 78-120, Rockville, MD, January 1978. Also, EPA Publication No. 600/7-78-007, Washington, DC, January 1978.

Glaser, Z.R., Chandler, J.L.R., Page, N.P., Cohen, M.L. and Arthur, J.L. *Special Occupational Hazard Review with Control Recommendations for the use of Ethylene Oxide as a Sterilant in Medical Facilities*. National Institute for Occupational Safety and Health, DHEW (NIOSH) Publication No. 77-200, Rockville, MD, August 1977.

Arthur, J.L., Page, N.P., Cohen, M.L. *Special Occupational Hazard Review and Control Recommendations for Nickel Carbonyl*. National Institute for Occupational Safety and Health, DHEW (NIOSH) Publication No. 77-184, Rockville, MD, June 1977.

Invited Presentations (Updated list for 1998-2017 available upon request)

“Infectious Disease Issues for Industrial Hygienists,” Orange County AIHA, Santa Ana, CA. February, 1997.

“Occupational Exposure in Health Care Environment,” Fifth Western Pacific Congress of Chemotherapy and Infectious Diseases, Singapore. December 1996.

“New Microbes of Concern to Health Care Workers,” Fifth Western Pacific Congress of Chemotherapy and Infectious Diseases, Singapore. December 1996.

“Update on Protective Devices,” Fifth Western Pacific Congress of Chemotherapy and Infectious Diseases, Singapore. December 1996.

“Bloodborne Pathogens in the Workplace,” Training Workshop, EBI Companies, Farmington, CT. Sept 1996.

“Challenges of Emerging Infections,” Becton-Dickinson Worldwide Infusion Therapy Symposium, Salt Lake City, Utah. September 1996.

“HIV Post Exposure Prophylaxis,” APIC Annual Conference, Atlanta, GA. June 1996.

“Industrial Hygiene in Animal Research Laboratories,” Specialty Environmental Alliance Symposium, Washington, DC. June 1996.

“Preventing Occupational Transmission of Infectious Disease,” Annual Meeting of EMS/EMT, Atlanta, GA. April 1996.

"Regulating Hospital Gowns," CDC/Hospital Infections rounds. September 1995.

"Risk of Occupational Transmission of Bloodborne Pathogens," ASTM Committee on Protective Clothing, Denver, CO. June 1995.

"Summary of the Needlestick Injury Prevention Project," PHT Annual Issues Symposium, Columbia, SC 1995.

"Emerging Infectious Diseases and the Industrial Hygienist," American Industrial Hygiene Association section, Chicago. March 1995.

"Occupational Health Aspects of Emerging Infections," Joint Conference on New York American Industrial Hygiene Association and American Society of Safety Engineers. April 1995.

"Safety Issues with Medical Devices and Trends from the Palmetto Hospital Trust Needlestick Prevention Demonstration Project" Columbia, S.C. June 1994.

"To Abstract, or Too Abstract," Needlestick Prevention Demonstration Project Workshop, Columbia, S.C. March 1994.

"Occupational Infectious Disease Regulations," Northeastern Ohio University College of Medicine, Cleveland, Ohio. February 1994.

"Tuberculosis," Keynote address at the N.E.American Industrial Hygiene Association, Princeton, NJ. December 1993.

"Latest Developments in Preventing Needlesticks," Palmetto Hospital Trust Issues Symposium, Columbia, SC. June 1993.

"Risk of Occupational Transmission of Bloodborne Infections," National Workshop of American Law Firm Association, Atlanta, GA. June 1993.

"Prevention of Device-Mediated Bloodborne Infections," American Association of Occupational Health Nurses, Atlanta, GA June 1993.

"Review of New Safety Materials and Equipment," Joint Conference American Association of Blood Banks and Council of Community Blood Centers, New Orleans, LA. May 1993.

"Needlestick and Injury Prevention--Do These Devices Really Reduce the Risks?" Keynote address at Association of Practitioners of Infection Control, Denver, CO. April 1993.

"What's New: OSHA, the Bloodborne Pathogen Standard and TB," Association of Practitioners of Infection Control, Denver, CO. April 1993.

"Percutaneous Injuries in the Healthcare Setting," 14th Annual Worker Compensation Medical Seminar, Myrtle Beach, SC. March 1993.

"The Underlying Basis for the OSHA Bloodborne Pathogen Standard," Association of Occupational Health Nurses, Atlanta, GA. February 1993.

"The Underlying Basis for the OSHA Bloodborne Pathogen Standard," South Carolina Association of Practitioners of Infection Control, Columbia, SC. November 1992.

"Dealing with HIV-infected Health Care Workers," North Broward Hospital District, Ft. Lauderdale, FL. November 1992.

"Needlestick Injury Prevention," Palmetto Hospital Trust annual meeting, Columbia, SC. November 1992.

"The Case for Needlestick Injury Prevention," Healthcare Providers Group, Richmond, VA. October 1992.

"Principles of Evaluation of Device-Safety Performance in Healthcare Settings," American Public Health Association, Washington, DC. October 1992.

"Overview of Bloodborne Pathogens," Georgia Tech, Atlanta. September 1992.

"TB Risks to Healthcare Workers," American Industrial Hygiene Conference, Boston, MA. June 1992.

"Implementing Needlestick Prevention Devices," National Video Conference of the American Hospital Association. May 1992.

"Universal Precautions and Biohazards," OSHA Training Institute, Des Plaines, IL. February 1992.

"Industrial Hygiene Applications in Control of Infectious Diseases," American Industrial Hygiene Association, Chicago, IL. December 1991.

"Industrial Hygiene Applications in Hospital Infection Control," American Public Health Association, Atlanta, GA. November 1991.

"New Strategies in Infection Control to Protect Patients and Healthcare Workers," Oncology Nursing Association, Atlanta, GA. October 1991.

"Hepatitis Vaccination Requirements to Protect Laboratory and Healthcare Workers," American Biological Safety Association, Knoxville, TN. April 1991.

"Prevention and Reduction of Needlestick Injuries," Local 1199, Service Employees International Union in New York, NY. January 1990.

"Infection Control for the Pre-Hospital Care Provider," American Ambulance Association, Dallas, TX. January 1990.

"AIDS in the Workplace," Navy-wide Labor and Employee Relations Conference, Jacksonville, FL. Mar1989.

"AIDS Impact on the Workplace," OSHA Family Conference, Atlanta, GA. September 1988.

"AIDS Awareness and Prevention Programs in Public Safety," American Psychological Association, Atlanta, GA. August 1988.

"AIDS and Emergency Personnel," Florida Fire Chiefs Association, Sarasota, FL. July 1988.

"Industrial and Farm Worker Injuries Along the US/Mexico Border," presented before the 44th Annual Meeting of the U.S./Mexico Border Health Association, Monterrey, Nuevo Leon, MEXICO. April, 1986.

"A Methodology for Testing the Reliability of Carbon Monoxide as an Indicator for Monitoring Toxic Chemical Exposures in Coal Gasification Plants," American Industrial Hygiene Conference, Houston, May, 1980.

"Occupational Health Data Acquisition and Use in Coal Gasification," Presented at the Tenth Synthetic Pipeline Gas Symposium, Chicago, October, 1978.

"Economically Responsible Alternatives for Prevention of Occupational Exposure to Chemical Carcinogens," 104th Annual Meeting of the American Public Health Association, Miami Beach, October, 1976.

Expert Witness

Jeffery A. Stephens v. CSX – Civil Action # 08-C1-00401 in Greenup County, Kentucky, Dec 2015.

Nina Pham v. THR – In the District Court of Dallas County, Texas, March 2, 2015.

RTI v. Becton Dickinson and Co. – In the United States District Court for the State of Texas – Eastern District, November 2009.

Durrett v. Medical Center at Lancaster – In the United States District Court for the Northern District of Texas – Dallas Division, September 2004.

Marilyn Benner, et al v. Becton Dickinson and Co., et al – In The United States District Court for the State of New York – Southern District, June 2001.

Grant v. Becton Dickinson and Co., et al – In the Court of Common Pleas of Franklin County, Ohio – General Division, March 2000.

Ursey, et al v. Becton Dickinson and Co., et al – In the District Court of Tarrant County, Texas, May 1999